

Skew Compensation for a Multi-Agent Shared Bus

ABSTRACT

5 A data processing system includes first, second, and third agents connected to a shared bus. The third agent is able to receive information via the shared bus from the first agent or from the second agent. The third agent includes a skew compensation circuit to determine signal skew in signal received via the shared bus and to compensate for the skew by adding delay into selected signals of the bus. The skew compensation circuit determines whether the first agent or
10 the second agent is the sender of information received by the third agent via the shared bus. The skew compensation circuit alters the skew compensation based on the identity of the sender such that the delay into the bus signals is specific to the corresponding sender.